CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date:30.03.2022

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample : : Cement (ACC 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : February-2022

Date of Testing 28.03.2022 to 30.03.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	385 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date 30.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	84	8.40	8.40	91.6	90-100
2.36	122	12.20	20.60	79.4	75-100
1.18	136	13.60	34.20	65.8	55-90
600 Micron	271	27.10	61.30	38.7	35-59
300 Micron	170	17.00	78.30	21.7	8-30
150 Micron	142	14.20	92.50	7.5	0-10

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date 30.03.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	230	1.53	1.53	98.47	95-100
20	8412	56.08	57.61	42.39	30-70
10	3369	22.46	80.07	19.93	10-35
4.75	2541	16.94	97.01	2.99	0-5

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 30.03.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	200	4.0	4.0	96.0	95-100
10	2411	48.2	52.2	47.8	25-55
4.75	2015	40.3	92.5	7.5	0-10

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 30.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022
Material : Plastering Sand

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	20	2.00	2.00	98.0	95-100
2.36	15	1.50	3.50	96.5	95-100
1.18	36	3.60	7.10	92.9	90-100
600 Micron	78	7.80	14.90	85.1	80-100
300 Micron	251	25.10	40.00	60.0	20-65
150 Micron	530	53.00	93.00	7.0	0-15

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date 30.03.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022
Material : Masonry Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	12	1.20	1.20	98.8	90-100
1.18	30	3.00	4.20	95.8	70-100
600 Micron	85	8.50	12.70	87.3	40-100
300 Micron	250	25.00	37.70	62.3	5-70
150 Micron	511	51.10	88.80	11.2	0-15

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 30.03.2022

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Steel Dia/Length : 8mm,10mm,12mm" TMT"

Reference to BIS codes : IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

: IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test 30.03.2022

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation , percent on gauge length
1	TMT	8	0.396	518	602	1.16	15
2	TMT	10	0.618	525	622	1.18	15.5
3	TMT	12	0.888	534	639	1.20	16.5

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date : 01.04.2022

Test Report Of Glazed Stoneware Pipes

Client	: Assistant Executive Engineer, Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: M/s SKS Infrastructure Pvt Ltd, Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Type of Sample	Salt Glazed Stoneware Pipe(230mm dia)
Techinical Reference	As Per IS-651:2007 (VI revision)
Date of Testing	30.03.2022 to 01.04.2022

Sl no	Internal Diameter	% absorption	% of Acid Resistance	Crushing Strength kN/m
1	300mm	5.6	1.72	18.35
2	300mm	4.7	1.84	17.46
3	300mm	6.6	1.59	18.92
Requirements as per IS-651:2007(VI Revision)	-----	Maximum 6%	Not Exceed 2.5%	Minimum 16kN/m

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date: 30.03.2022

TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	:	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	:	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Type of the test	:	Physical tests on Paver Blocks
Date of Testing	:	30.03.2022
Samples supplied by	:	AGENCY

The results of the tests conducted on the Paver Blocks sample are as follows:

1. THICKNESS:

Sl.No	Identification	Thickness, mm	Average thickness, mm
1	01	60.12	60.14
2	02	60.16	

2. COMPRESSIVE STRENGTH:

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2	Compressive strength Kg/m^2	Requirement as Specification
1	01	693.2	24,200	28.64	286.4	Minimum required Compressive Strength of Individual Units 281 Kg/ m^2
2	02	696.7	24,200	28.78	287.8	

Note:-
1. The The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023 Date 30.03.2022

TEST REPORT ON SOLID CONCRETE BLOCKS

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP,
Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 30.03.2022
Size of Blocks : 400mm x 200mm x 200mm
Cross Sectional Area : 80000 mm^2
Technical Reference : IS: 2185 (Part 1) - 2005
No. of Blocks Tested : 04

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Block Density in Kg/M^3	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	33.9	289.2	3.62	2118.75	Minimum required Compressive Strength of Individual Units 3.50N/mm^2
2	Block 2	34.7	297.4	3.72	2168.75	
3	Block 3	35.5	306.5	3.83	2218.75	
4	Block 4	36.3	314.8	3.94	2268.75	

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 04.04.2022

TEST REPORT OF PHYSICAL REQUIREMENTS OF BRICKS

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Reference to BIS codes	: IS 1077 : 1992(RA 2011) Common Burnt Clay Building Bricks-Specification IS 3495 (Part 1 to 3) : 1992(RA 2011) Method of Tests Burnt Clay Building Bricks Part 1:Determination of Compressive Strength, (Cl 4.2.3) Part 2:Determination of Water Absorption,(Cl 4.1.3) Part 3: Determination of Efflorescence, (Cl 4)
Date of test	30.03.2022 to 04.04.2022

COMPRESSIVE STRENGTH

Sl.No.	Compressive strength of individual bricks (N/mm2)	Acceptability as per IS 1077:1992, Clause 7.1
1	5.1	The bricks shall have a minimum average compressive strength for various classes as given in Table 1 of IS 1077: 1992. The compressive strength of any individual bricks shall not fall below the minimum compressive strength specified for the corresponding class of brick by more than 15%.
2	5.6	
3	5.9	
4	5.4	
5	5.7	
Average of 5 bricks	5.5	

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

WATER ABSORPTION:

Sl.No.	Water Absorption(%)	Acceptability as per IS 1077:1992, Clause 7.2
1	10.2	The water Absorption of bricks shall not be more than 20% by weight upto class 12.5 and 15% by weight for higher classes.
2	10.6	
3	10.8	
4	10.5	
5	10.4	
Average of 5 bricks	10.5	

EFFLORESCENCE:

Sl.No.	Efflorescence	Acceptability as per IS 1077:1992, Clause 7.3
1	Moderate	The efflorescence shall not be more than 'moderate" upto class 12.5 and "slight" for higher classes.
2	Moderate	
3	Moderate	
4	Moderate	
5	Moderate	

DIMENSIONS AND TOLERANCES

Sl.No.	Dimensions obtained for 20 bricks(mm)		Acceptability as per IS 1077:1992, Clause 6.2(b)
1	Length	4535	4520 to 4680 mm
2	Width	2170	2160 to 2240 mm
3	Height	1390	1360 to 1440 mm

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 15.04.2022

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client : **: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **: M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

No.of Sample Tested : 03

Date of Testing : 15.04.2022

Techinical Reference : IS:516-1959 (Reaffirmed 1999), SP-24:1983.

Grade of Concrete : M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	80.00	0.365	2323.66	1.60	0.960	33.50	17.06	18.43	17.69	22.11
2	50.00	83.00	0.384	2356.26	1.66	0.960	34.70	17.67	19.09	18.32	22.90
3	50.00	86.00	0.404	2392.51	1.72	0.965	35.60	18.13	19.58	18.90	23.62

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 15.04.2022

KERB STONE (CORE) TEST REPORT

Client	:	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	:	**: M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of Work	:	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	15.04.2022
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	80.00	0.368	2342.12	1.60	0.957	26.20	13.34	14.41	13.79	17.24
2	50.00	84.00	0.392	2376.11	1.68	0.965	27.80	14.16	15.29	14.76	18.45
3	50.00	88.00	0.414	2396.01	1.76	0.974	28.50	14.51	15.68	15.27	19.09

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date 11.04.2022

GRADATION FOR DRY LEAN CONCRETE
MORTH TABLE-600-1

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of Work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Date of Testing 11.04.2022

Material : Dry Lean Concrete

Oven Dry Wt (gm): **10000**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
26.5	0	0	0	100	100
19	965	965	9.7	90.4	75-95
9.5	2415	3380	33.8	66.2	50-70
4.75	1236	4616	46.2	53.8	30-55
2.36	3415	8031	80.3	19.7	17-42
0.6	999	9030	90.3	9.7	8-22
0.3	134	9164	91.6	8.4	7-17
0.15	201	9365	93.7	6.3	2-12
0.075	289	9654	96.5	3.5	0-10

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.04.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	11.04.2022	8.155	250.0	11.11
2	04.04.2022	11.04.2022	8.162	260.0	11.56
3	04.04.2022	11.04.2022	8.028	270.0	12.00

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 02.05.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	02.05.2022	8.052	366.5	16.29
2	04.04.2022	02.05.2022	8.034	372.1	16.54
3	04.04.2022	02.05.2022	8.179	386.1	17.16

Note:
1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.04.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	11.04.2022	8.194	259.2	11.52
2	04.04.2022	11.04.2022	8.125	264.7	11.76
3	04.04.2022	11.04.2022	8.032	273.1	12.14

Note:
1. The Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 02.05.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Agency : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	02.05.2022	8.021	369.8	16.44
2	04.04.2022	02.05.2022	8.169	375.2	16.68
3	04.04.2022	02.05.2022	8.122	382.3	16.99

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 11.04.2022

TEST REPORT ON CONCRETE CUBES

Client	: **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
Agency	: **M/s SKS Infrastructure Pvt Ltd,** Bangalore.
Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{15}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	11.04.2022	8.051	261.8	11.64
2	04.04.2022	11.04.2022	8.034	272.3	12.10
3	04.04.2022	11.04.2022	8.097	285.9	12.71

Note:

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

Date: 02.05.2022

TEST REPORT ON CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	04.04.2022	02.05.2022	8.055	360.0	16.00
2	04.04.2022	02.05.2022	8.062	370.0	16.44
3	04.04.2022	02.05.2022	8.197	380.0	16.89

Note:

1. The Material is satisfied as per the requirement.

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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

05.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.121	602.3	26.77
2	07.04.2022	05.05.2022	8.164	616.9	27.42
3	07.04.2022	05.05.2022	8.013	623.1	27.69

Note:

1. ha Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

14.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	14.04.2022	8.174	416.2	18.50
2	07.04.2022	14.04.2022	8.169	428.6	19.05
3	07.04.2022	14.04.2022	8.010	433.3	19.26

Note:

1. he Material is satisfied as per the requirement.

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.166	612.0	27.20
2	07.04.2022	05.05.2022	8.196	625.3	27.79
3	07.04.2022	05.05.2022	8.124	636.8	28.30

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/SKS/17/2022-2023

05.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.121	606.6	26.96
2	07.04.2022	05.05.2022	8.146	623.1	27.69
3	07.04.2022	05.05.2022	8.170	635.4	28.24

Note:
1. he Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/SKS/17/2022-2023

14.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	14.04.2022	8.147	410.2	18.23
2	07.04.2022	14.04.2022	8.196	426.3	18.95
3	07.04.2022	14.04.2022	8.174	435.4	19.35

Note:

1. he Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/SKS/17/2022-2023

05.05.2022

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Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.147	600.5	26.69
2	07.04.2022	05.05.2022	8.164	622.4	27.66
3	07.04.2022	05.05.2022	8.190	631.6	28.07

Note:

1. he Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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Job No.: CQCE/BBMP/SKS/17/2022-2023

14.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	**: Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.
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Name of the work	: Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore
Sample ID	: Cement Concrete
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Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{25}
Compressive Strength as on	: 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	14.04.2022	8.121	406.2	18.05
2	07.04.2022	14.04.2022	8.146	427.9	19.02
3	07.04.2022	14.04.2022	8.130	432.1	19.20

Note:
1. he Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

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05.05.2022

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Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.147	601.2	26.72
2	07.04.2022	05.05.2022	8.162	629.3	27.97
3	07.04.2022	05.05.2022	8.019	632.5	28.11

Note:

1. The Material is satisfied as per the requirement.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY
CONSULTANTS & ENGINEERS
ISO 9001:2015 Certified & NABL Accredited
Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/SKS/17/2022-2023

14.04.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	14.04.2022	8.170	411.8	18.30
2	07.04.2022	14.04.2022	8.146	427.9	19.02
3	07.04.2022	14.04.2022	8.140	435.2	19.34

Note:

1. he Material is satisfied as per the requirement.

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Job No.: CQCE/BBMP/SKS/17/2022-2023

05.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	07.04.2022	05.05.2022	8.121	602.3	26.77
2	07.04.2022	05.05.2022	8.164	616.9	27.42
3	07.04.2022	05.05.2022	8.013	623.1	27.69

Note:

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2022	15.04.2022	8.021	402.3	17.88
2	08.04.2022	15.04.2022	8.156	415.6	18.47
3	08.04.2022	15.04.2022	8.139	420.5	18.69

Note:

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Job No.: CQCE/BBMP/SKS/17/2022-2023

06.05.2022

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer,** Yeshwanthpura Sub Division,BBMP, Bangalore.

Contractor : **M/s SKS Infrastructure Pvt Ltd,** Bangalore.

Name of the work : Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2022	06.05.2022	8.196	612.8	27.24
2	08.04.2022	06.05.2022	8.134	635.4	28.24
3	08.04.2022	06.05.2022	8.157	640.0	28.44

Note:

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Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2022	15.04.2022	8.050	406.1	18.05
2	08.04.2022	15.04.2022	8.032	419.5	18.64
3	08.04.2022	15.04.2022	8.121	423.6	18.83

Note:

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Sample ID : Cement Concrete

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	08.04.2022	06.05.2022	8.196	611.2	27.16
2	08.04.2022	06.05.2022	8.154	623.9	27.73
3	08.04.2022	06.05.2022	8.031	635.7	28.25

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